

Product datasheet

Anti-GOLPH3/MIDAS antibody ab236296

5 Images

Overview

<b>Product name</b>	Anti-GOLPH3/MIDAS antibody
<b>Description</b>	Rabbit polyclonal to GOLPH3/MIDAS
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment corresponding to Human GOLPH3/MIDAS aa 16-150. Sequence: TEASRNAADKERAAGGGAGSSEDDAQSRRDEQDDD DKGDSKETRLTMEE VLLLGLKDREGYTSFWNDCISSGLRGCM LIELALRGRL QLEACGMRRKSL LTRKVICKSDAPTGDVLLDEALKHVKETQPPETVQ  Database link: <a href="#">Q9H4A6</a>   <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: HeLa, HEK-293 and A549 whole cell lysates. IHC-P: Human prostate cancer and prostate tissues. ICC/IF: HepG2 cells. IP: HeLa whole cell lysate.
<b>General notes</b>	This product was previously labelled as GOLPH3

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.03% Proclin Constituents: 50% Glycerol, PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purity >95%.

**Clonality** Polyclonal

**Isotype** IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab236296** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/20 - 1/200.
WB		1/500 - 1/5000. Predicted molecular weight: 34 kDa.
ICC/IF		1/20 - 1/200.
IP		1/200 - 1/2000.

## Target

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**Function** Involved in modulation of mTOR signaling. Involved in the regulation of mitochondrial lipids, leading to increase of mitochondrial mass. Potential oncogene.

**Tissue specificity** Detected in muscle fibers of patients with mitochondrial diseases; not detected in normal muscle fibers.

**Sequence similarities** Belongs to the GOLPH3/VPS74 family.

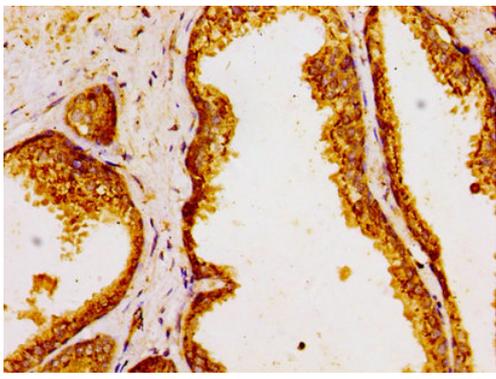
**Post-translational modifications** Phosphorylated.

**Cellular localization** Cell membrane. Endosome. Cytoplasm. Golgi apparatus > Golgi stack membrane. Mitochondrion intermembrane space.

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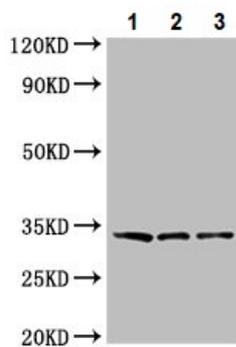
## Images

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GOLPH3/MIDAS antibody (ab236296)

Paraffin-embedded human prostate cancer tissue stained for GOLPH3/MIDAS using ab236296 at 1/100 dilution in immunohistochemical analysis.



Western blot - Anti-GOLPH3/MIDAS antibody (ab236296)

**All lanes** : Anti-GOLPH3/MIDAS antibody (ab236296) at 1/500 dilution

**Lane 1** : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

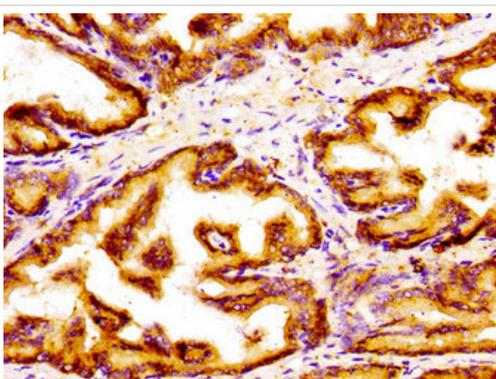
**Lane 2** : HEK-293 (human epithelial cell line from embryonic kidney) whole cell lysate

**Lane 3** : A549 (human lung carcinoma cell line) whole cell lysate

**Secondary**

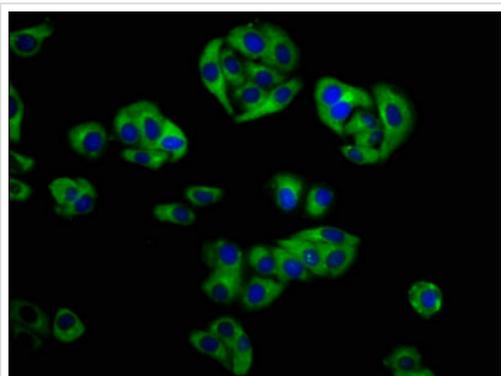
**All lanes** : Goat polyclonal to rabbit IgG at 1/50000 dilution

**Predicted band size:** 34 kDa



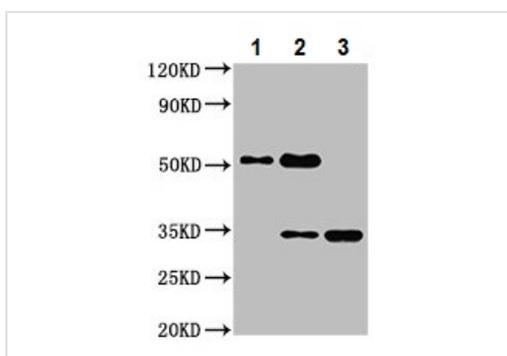
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GOLPH3/MIDAS antibody (ab236296)

Paraffin-embedded human prostate tissue stained for GOLPH3/MIDAS using ab236296 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-GOLPH3/MIDAS antibody (ab236296)

4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells stained for GOLPH3/MIDAS (green) using ab236296 at 1/133 dilution in ICC/IF, followed by Alexa Fluor 488<sup>®</sup> conjugated Goat Anti-Rabbit IgG (H+L). Counter-stained with DAPI.



Immunoprecipitation - Anti-GOLPH3/MIDAS antibody (ab236296)

GOLPH3/MIDAS was immunoprecipitated from 500 µg HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate with ab236296 at 1/200 dilution.

Lane 1: Rabbit control IgG IP in HeLa whole cell lysate.

Lane 2: ab236296 IP in HeLa whole cell lysate.

Lane 3: HeLa whole cell lysate 10 µg (Input).

For western blotting, an HRP-conjugated Protein G antibody was used as the secondary antibody at 1/2000 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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